

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033145.D
 Acq On : 30 Nov 2022 20:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2022
 Supervised By : Mahesh Dadoda 12/01/2022

Quant Time: Dec 01 00:26:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	140313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66079	48.075	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.140%		
35) Dibromofluoromethane	5.391	113	57746	45.281	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.560%		
50) Toluene-d8	8.647	98	175218	45.468	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.940%#		
62) 4-Bromofluorobenzene	11.079	95	76434	45.626	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	46648	43.516	ug/l	96
3) Chloromethane	1.295	50	51511	44.511	ug/l	99
4) Vinyl Chloride	1.374	62	59152	45.906	ug/l	98
5) Bromomethane	1.618	94	34331	35.930	ug/l	94
6) Chloroethane	1.691	64	47987	45.745	ug/l	100
7) Trichlorofluoromethane	1.886	101	121667	48.650	ug/l	100
8) Diethyl Ether	2.136	74	41928	53.252	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	65994	50.206	ug/l	99
10) Methyl Iodide	2.453	142	55789	37.075	ug/l	100
11) Tert butyl alcohol	3.014	59	62926m	290.507	ug/l	
12) 1,1-Dichloroethene	2.319	96	61909	50.560	ug/l	92
13) Acrolein	2.239	56	74753	300.447	ug/l	98
14) Allyl chloride	2.666	41	99337	50.250	ug/l	98
15) Acrylonitrile	3.069	53	163813	267.376	ug/l	98
16) Acetone	2.398	43	139077	217.937	ug/l	100
17) Carbon Disulfide	2.514	76	142471	42.115	ug/l	98
18) Methyl Acetate	2.709	43	94667	53.590	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	228921	53.908	ug/l	99
20) Methylene Chloride	2.788	84	69560	52.449	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	68388	48.825	ug/l	99
22) Diisopropyl ether	3.764	45	230294	53.501	ug/l	99
23) Vinyl Acetate	3.721	43	897777	266.448	ug/l	99
24) 1,1-Dichloroethane	3.611	63	126864	51.503	ug/l	100
25) 2-Butanone	4.568	43	221505	251.722	ug/l	100
26) 2,2-Dichloropropane	4.477	77	98192	49.577	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	82830	52.048	ug/l	99
28) Bromochloromethane	4.898	49	54668	50.509	ug/l	98
29) Tetrahydrofuran	5.013	42	145686	260.913	ug/l	99
30) Chloroform	5.099	83	144520	52.385	ug/l	99
31) Cyclohexane	5.471	56	108691	49.091	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	129813	52.542	ug/l	99
36) 1,1-Dichloropropene	5.696	75	99438	48.764	ug/l	100
37) Ethyl Acetate	4.721	43	92923	52.232	ug/l	99
38) Carbon Tetrachloride	5.678	117	112720	49.830	ug/l	97
39) Methylcyclohexane	7.379	83	110565	47.521	ug/l	99
40) Benzene	6.044	78	285813	49.991	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53840	53.785	ug/l	97
42) 1,2-Dichloroethane	6.092	62	116628	50.664	ug/l	99
43) Isopropyl Acetate	6.342	43	155478	52.844	ug/l	98
44) Trichloroethene	7.123	130	80099	49.927	ug/l	99
45) 1,2-Dichloropropane	7.428	63	73975	52.356	ug/l	99
46) Dibromomethane	7.580	93	55694	50.517	ug/l	100
47) Bromodichloromethane	7.824	83	111115	52.159	ug/l	98
48) Methyl methacrylate	7.696	41	79473	52.476	ug/l	99
49) 1,4-Dioxane	7.726	88	33226	1191.845	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	483072	266.079	ug/l	98
52) Toluene	8.720	92	192239	51.108	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	112773	49.290	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	120942	52.662	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	78728	51.409	ug/l	99
56) Ethyl methacrylate	9.116	69	116905	55.406	ug/l	96
57) 1,3-Dichloropropane	9.311	76	128042	51.792	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	271466	270.938	ug/l	99
59) 2-Hexanone	9.433	43	355065	264.746	ug/l	98
60) Dibromochloromethane	9.525	129	88075	53.419	ug/l	100
61) 1,2-Dibromoethane	9.610	107	84220	52.104	ug/l	99
64) Tetrachloroethene	9.275	164	69044	47.205	ug/l	98
65) Chlorobenzene	10.080	112	208283	50.558	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	80654	53.431	ug/l	99
67) Ethyl Benzene	10.195	91	384746	52.648	ug/l	100
68) m/p-Xylenes	10.305	106	294329	102.851	ug/l	99
69) o-Xylene	10.640	106	144198	52.078	ug/l	98
70) Styrene	10.653	104	239802	52.938	ug/l	99
71) Bromoform	10.799	173	61600	53.225	ug/l #	98
73) Isopropylbenzene	10.964	105	385911	51.167	ug/l	99
74) N-amyl acetate	10.842	43	139971	54.555	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	116660	51.249	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	104153m	52.106	ug/l	
77) Bromobenzene	11.195	156	94073	50.716	ug/l	100
78) n-propylbenzene	11.305	91	442193	51.279	ug/l	99
79) 2-Chlorotoluene	11.366	91	264727	50.546	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	323444	51.049	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28607	46.520	ug/l	99
82) 4-Chlorotoluene	11.457	91	307610	50.120	ug/l	99
83) tert-Butylbenzene	11.713	119	327055	51.857	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	324833	51.417	ug/l	100
85) sec-Butylbenzene	11.890	105	388823	51.532	ug/l	99
86) p-Isopropyltoluene	12.012	119	330491	51.698	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	173525	49.877	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	174840	49.070	ug/l	99
89) n-Butylbenzene	12.335	91	278530	50.575	ug/l	99
90) Hexachloroethane	12.536	117	52092	49.598	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	170532	50.388	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24224	53.336	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	105261	50.456	ug/l	98
94) Hexachlorobutadiene	13.725	225	42174	45.822	ug/l	99
95) Naphthalene	13.774	128	361091	53.503	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	105903	50.621	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

